

REMARKS

In the above-mentioned Office Action, all of the pending claims, claims 1-20, were rejected. Claims 1, 2, 4, 5, 7-13, 15-17, and 19 were rejected under Section 102(e) over *Moriyama*. Claims 6 and 18 were rejected under Section 103(a) over the combination of *Moriyama* and *Turney*. Claims 3 and 14 were rejected under Section 112, second paragraph, for containing recitations that are vague and indefinite. Additionally, objections were made to claims 4-5 and 15-17 for various informalities, and objection was made to informalities on pages 5 and 8 of the specification. A requirement to add a legend to Figure 1 to identify the figure as prior art was also set forth.

While no specific grounds were set forth for the rejection of claim 20 and claims 3 and 14 stand rejected only under Section 112, second paragraph, these claims are considered below with respect to rejections of their parent claims over *Moriyama*.

In response to the rejections of the independent claims over *Moriyama*, claims 1, 9, and 12 have been amended, as set forth herein, in manners believed better to distinguish the invention of the present application over the cited references, taken alone, or in combination.

With respect to claim 1, the recitation of the first digital filter has been amended, now to recite that the first filter output is proportional to the magnitude of the interference signal when the interference signal is greater in magnitude than the target signal, thereby to cause the amplification level set by the amplifier to be proportional to the magnitude of the interference signal. Claims 9 and 12 have been analogously amended. *Moriyama* fails to disclose such structure, or corresponding methodology. Review of *Moriyama* indicates that the filter 12-3, relied upon by the Examiner in the rejection of the claim, forms an output signal that forms a desired wave. See, e.g., column 6, lines 44-45. The desired wave is shown graphically in Figures 25a-b and Figure 26. In short, the desired wave is indicated to be other than the interference wave. And, the desired wave is used for purposes of AGC. See, e.g., column 2, lines 61-63.

Application No 10/062,622
Amendment dated 03 August 2005
Reply to Office Action of 03 May 2005

Claims 1, 9, and 12, as now-amended, are therefore believed to be distinguishable over *Moriyama*. *Turney*, cited merely for showing a sigma-delta analog-to-digital converter, also fails to disclose the structure and methodology of the independent claims, as now-amended.

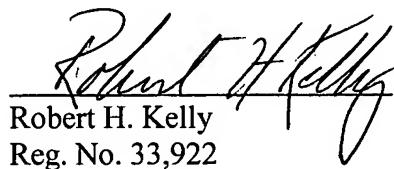
Additional amendment to claims 1 and 9 are believed to make moot the Section 112, second paragraph, rejections of claims 3 and 14. With respect to claim 1, the claim has further been amended, now to recite that the first filter output comprises the amplifier control signal. Claim 12 has been analogously amended.

Additional amendments to claims 4-5 and 15-17 are believed to overcome the objections thereto. And, amendments to the specification and to Figure 1 of the drawings are believed to overcome the objections to the specification and to conform to the drawing requirements set forth in the Office Action.

The dependent claims, which include all of the limitations of their respective parent claims, are believed to be patentably distinguishable over the cited references for the same reasons as those given with respect to their parent claims.

In light of the foregoing, independent claims 1, 9, and 12, and the dependent claims dependent thereon, all as now-presented, are believed to be in condition for allowance. Accordingly, reexamination and reconsideration for allowance is respectfully requested. Such early action is earnestly solicited.

Respectfully submitted,



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Amendments to the drawings:

Please replace Figures 1-5 with the Replacement Sheets of amended Figures 1-5. Figure 1 adds the designation of “Prior Art,” and Figures 1-5 removes the designation “Nokia Confidential,” inventor name and docket number.

Attachments: Replacement Sheets of Figures 1-5.

Annotated sheets showing changes of Figures 1-5.

ANNOTATED SHEET
SHOWING CHANGES

~~Sheet 1 of 5~~

Sintonen

Attorney Docket No. NC25900

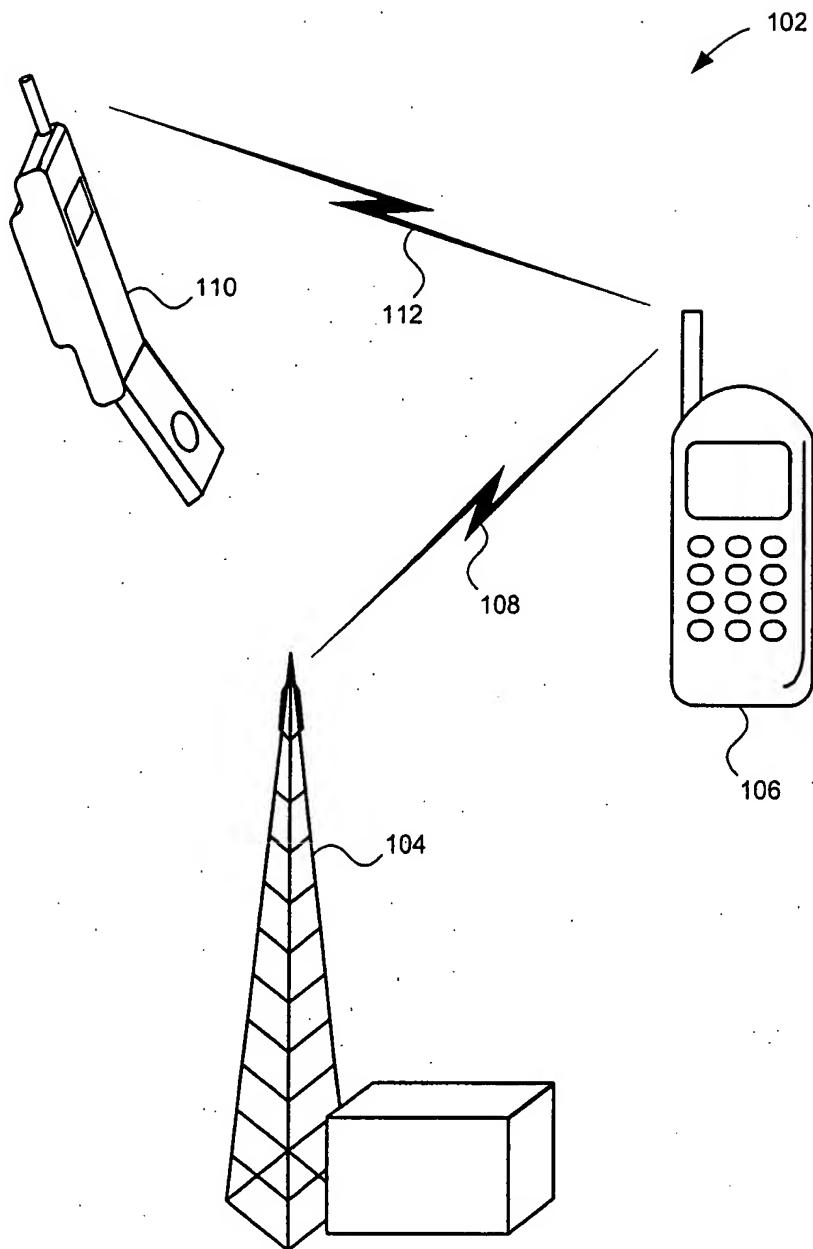


Fig. 1

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ANNOTATED SHEET
SHOWING CHANGES

~~Sheet 2 of 5~~

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Attorney Docket No. NC25900

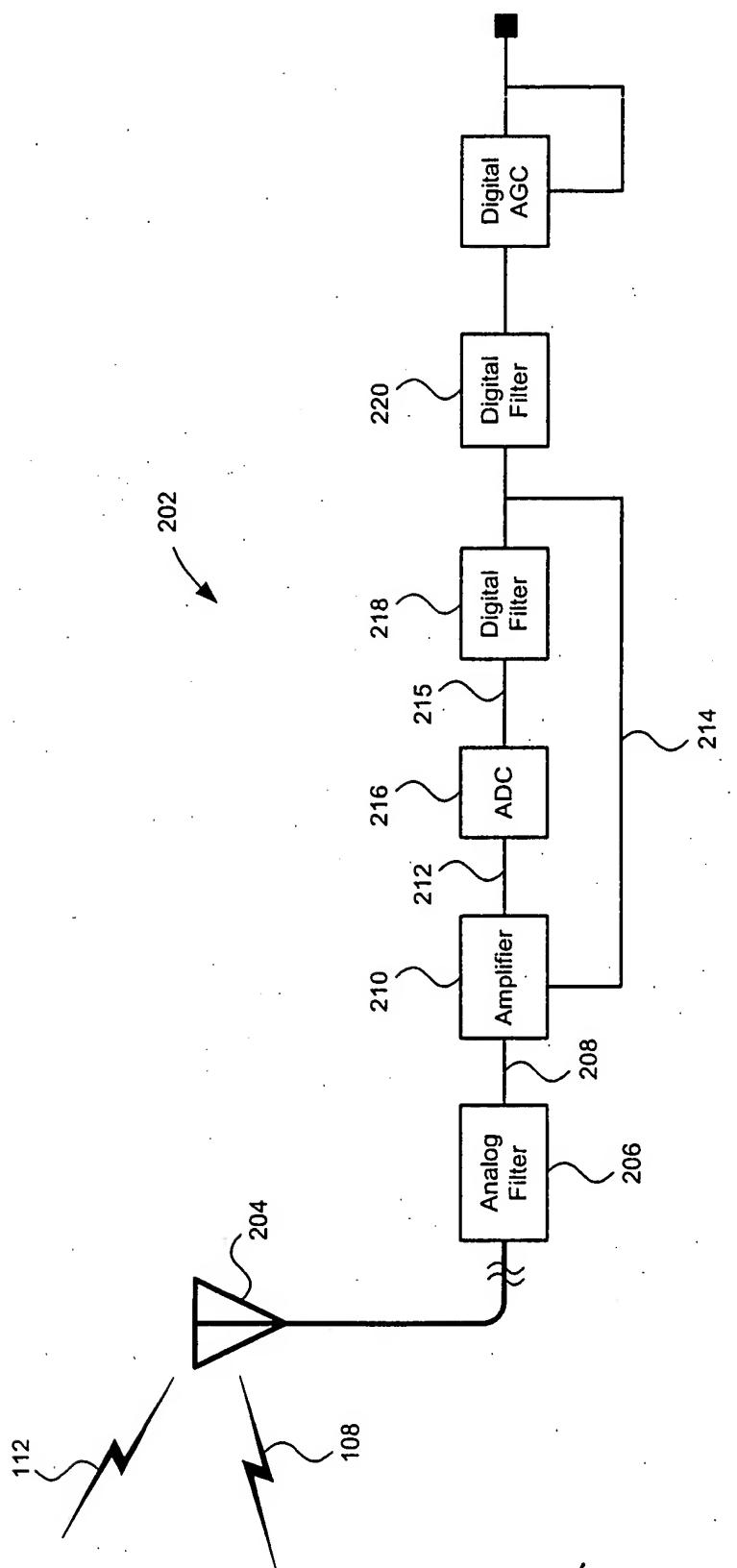


Fig. 2

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ANNOTATED SHEET
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~~Sheet 3 of 5~~

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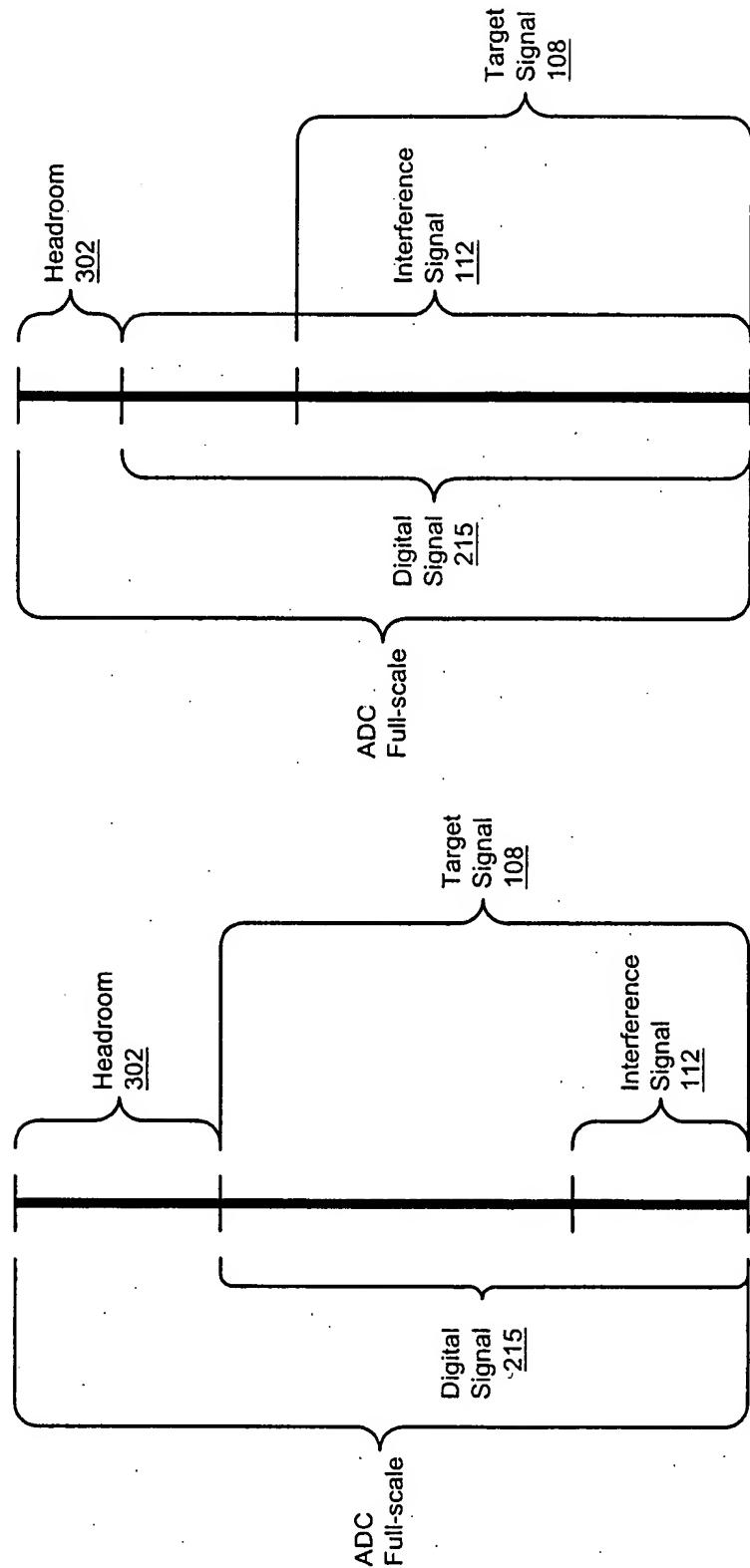


Fig. 3B

Fig. 3A

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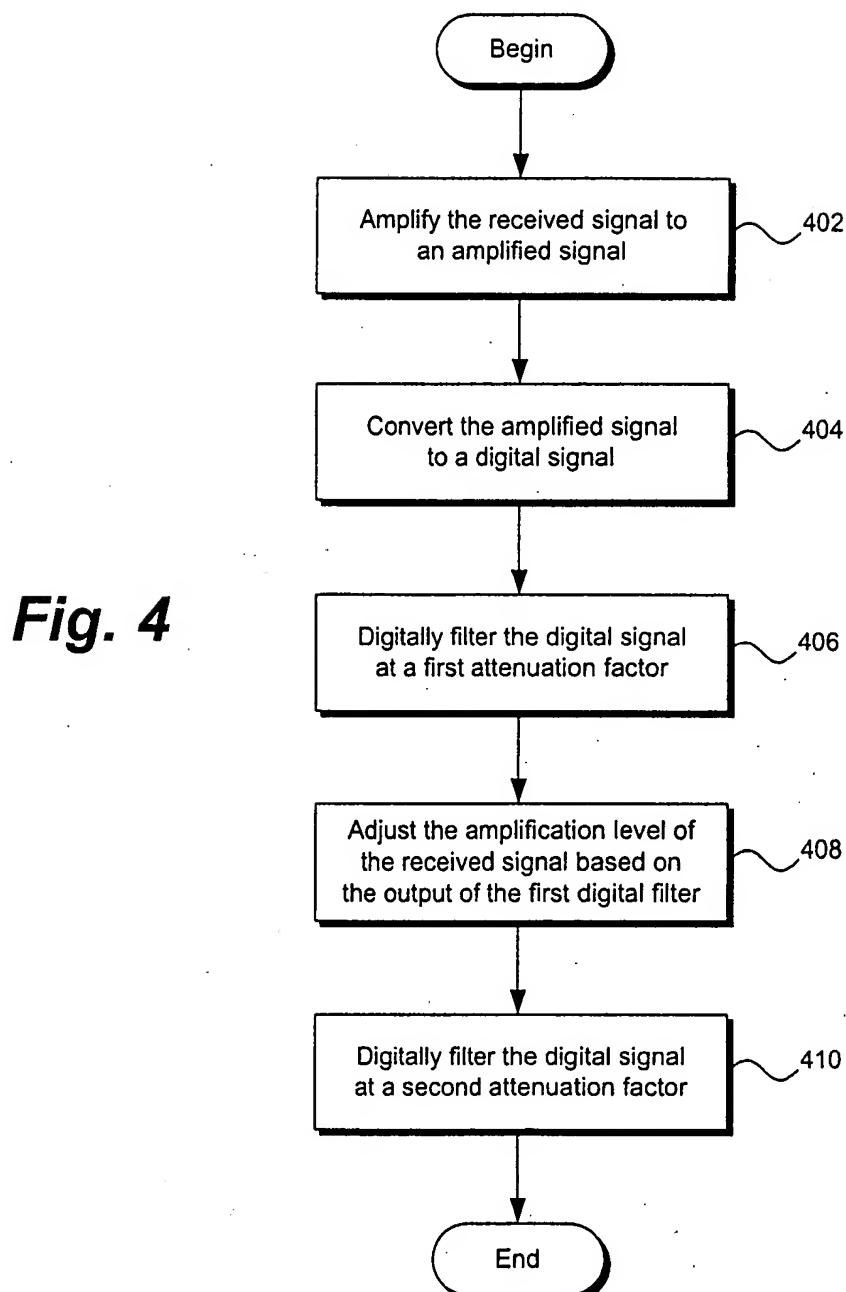


Fig. 4

ANNOTATED SHEET
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~~Sheet 5 of 5~~

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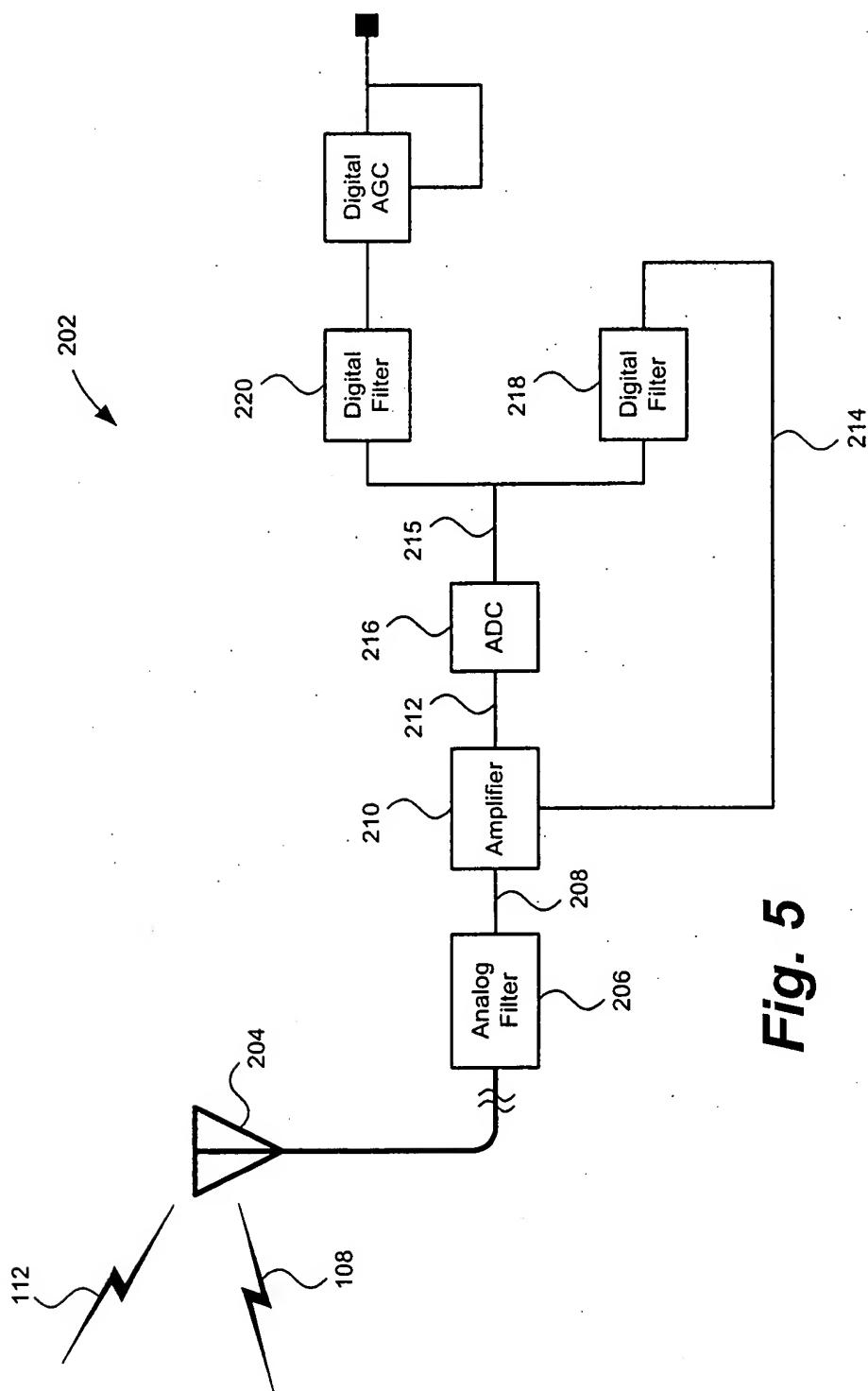


Fig. 5

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